



Attorney Docket No. 32492/41888

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

FFW

Applicant(s): Susana Curatolo  
Serial No.: 10/751,946 Art Unit: 3742  
Filed: January 7, 2004 Examiner:  
For: MELTING AND VAPORIZING APPARATUS AND METHOD

**SUBMISSION UNDER 37 C.F.R. 1.56, 1.97 & 1.98**  
**INFORMATION DISCLOSURE STATEMENT**

JUL 30 2004

Mail Stop DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

To comply with the duty of disclosure set forth in 37 C.F.R. 1.56, the prior art listed on the attached PTO-1449 is submitted herewith to the Examiner for consideration in connection with the examination of the above-identified application.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Account No. 02-1010 (32492/41888).

Respectfully submitted,

BARNES & THORNBURG LLP

Perry Palan  
Reg. No. 26,213

Enclosure

ATTY DOCKET NO.

SERIAL NO.

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10/751,946

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## LIST OF DOCUMENTS CITED BY APPLICANT

(Use several sheets if necessary)

JUL 30 2004

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						
AB						
AC						
AD						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AE	Onaga, L.: "Fusion in a flash? Science researchers report nuclear emissions from tiny, super-hot collapsing bubbles," American Association for the Advancement of Science (March 4, 2002).
AF	Dagani, R.: "Hubbub over 'bubble fusion': Much-disputed paper offers evidence of nuclear fusion in a tabletop apparatus," Chemical & Engineering News, vol. 80, no. 10 (March 11, 2002).
AG	"Evidence bubbles over to support tabletop nuclear fusion device," Purdue News (March 2, 2004).
AH	"Inertial-confinement fusion driven by pulsed power yields thermonuclear neutrons," Physics Today, pp. 19-21 (July 2003).
AI	"Units and conversion factors," <a href="http://www.chembio.uoguelph.ca/educmat/chm386/convfact.htm">http://www.chembio.uoguelph.ca/educmat/chm386/convfact.htm</a> (July 10, 2003).
AJ	Bailey, J.E., et al.: "Hot dense capsule implosion cores produced by z-pinch dynamic hohlraum radiation" (2003).
AK	Smirnov, V.P.: "Fast liners for inertial fusion," Plasma Physics and Controlled Fusion, vol. 33, no. 13, pp. 1697-1714 (1991).
AL	Evarestov, R.A., et al.: "Symmetrical transformation of basic translation vectors in the supercell model of imperfect crystals and in the theory of special points of the Brillouin zone," J. Phys.: Condens. Matter 9, pp. 3023-3031 (1997).
AM	Bailey, J.E., et al.: "X-ray imaging measurements of capsule implosions driven by a z-pinch dynamic hohlraum," Physical Review Letters, vol. 89, no. 9, pp. 95004-1-095004-4 (Aug. 26, 2002).
AN	Papka, P., et al.: "Large deformation effects in the N=Z <sup>44</sup> Ti compound nucleus," 10 <sup>th</sup> International Conference on Nuclear Reaction Mechanisms, Varenna, Italy, June 9-13, 2003.
AO	Di Stefano, P.C.F., et al.: "A textured silicon calorimetric light detector," arXiv:physics/0307042 v1 (July 7, 2003).
AP	

EXAMINER:

|| DATE CONSIDERED:

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.